

AMENDMENTS TO THE CLAIMS:

Claims 1-5, 8, 9, 11-17, 19 and 21-34 are pending in the subject application. Each of claims 1-3, 9, 11-13, 15, 22-32, and 34 has been amended herein. This Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) One or more computer-readable storage media having computer-executable instructions tangibly embodied thereon that, when executed by a computing device having a processor provide a system that facilitates task processing, the system comprising:

a bulk component that periodically, concurrently processes in a bulk mode, a plurality of eligible accounts with a set of dependent tasks, wherein a first ~~only a required~~ set of eligible accounts is [[are]] fetched for bulk processing based on one or more first preset criteria for a first task ~~each of the tasks~~ in the set of dependent tasks, and a second set of eligible accounts is fetched for bulk processing based on one or more second preset criteria for a second task in the set of dependent tasks, wherein the first set of eligible accounts, the first task, and the first preset criteria are not identical to the second set of eligible accounts, the second task, and the second preset criteria respectively, and wherein the tasks in the set of dependent tasks include accounting operations to be completed for the accounts in the plurality of eligible accounts; and

a removal component that removes an account from the eligible accounts and from bulk processing as an errored account if an error is associated therewith,

wherein the errored account is made ineligible for fetching for future bulk mode processing.

2. (Currently Amended) The media of claim 1, wherein the tasks are processed sequentially against the plurality of eligible accounts according to task dependencies.

3. (Currently Amended) The media of claim 1, wherein the system further ~~comprising~~comprises an error component that processes the errored account to resolve the error associated therewith.

4. (Previously Presented) The media of claim 1, wherein the errored account is merged back into bulk mode processing by the bulk component when the error associated therewith has been resolved.

5. (Previously Presented) The media of claim 1, wherein the errored account is merged back into bulk mode processing only when the errored account has been resolved temporally with bulk mode processing of the bulk component.

6. (Canceled)

7. (Canceled)

8. (Previously Presented) The media of claim 1, wherein the dependent tasks processed on a first day must be processed error-free before the same tasks can be processed on a succeeding day.

9. (Currently Amended) The media of claim 1, wherein the system further ~~comprising~~comprises a catch-up component for real-time processing of an account.

10. (Canceled)

11. (Currently Amended) The media of claim 1, wherein the plurality of eligible accounts ~~are~~is processed in parallel by one or more computing devices.

12. (Currently Amended) The media of claim 1, wherein the plurality of eligible accounts ~~are~~is processed in parallel by different threads of execution on a single computing device.

13. (Currently Amended) The media of claim 1, wherein the plurality of eligible accounts ~~are~~is processed in accordance with an access control list.

14. (Previously Presented) The media of claim 1, wherein the system is restrained to keep utilization of system resources under a predetermined threshold if a number of dependencies associated with an account are below a second threshold, the predetermined threshold defining a limit on the use of system resources.

15. (Currently Amended) A system that facilitates task processing, comprising:

a bulk component that periodically processes a plurality of eligible accounts with a set of dependent tasks, wherein ~~only a required~~ a first set of eligible accounts is ~~is~~ [[are]] fetched for bulk processing based on one or more first preset criteria for a first task ~~each of the tasks~~ in the set of dependent tasks, and a second set of eligible accounts is fetched for bulk processing based on one or more second preset criteria for a second task in the set of dependent tasks, wherein the first set of eligible accounts, the first task, and the first preset criteria

are not identical to the second set of eligible accounts, the second task, and the second preset criteria respectively, and wherein the tasks in the set of dependent tasks include accounting operations to be completed for the accounts in the plurality of eligible accounts;

a removal component that removes an account from the eligible accounts as an errored account if an error is associated therewith, wherein the errored account is made ineligible for fetching for future bulk processing;

an error component ~~that~~ that processes the errored account to resolve the error associated therewith, now a resolved account, [[and]] merges the resolved account ~~processing of the resolved errored account~~ with the eligible accounts for bulk processing of the eligible accounts by the bulk component, and identifies the resolved account as eligible for fetching for future bulk processing, wherein the resolved account is merged with the eligible accounts for bulk processing when processing of the resolved errored account ~~processing~~ is temporally aligned with the bulk processing ~~and identifies the errored account as eligible for fetching for future bulk processing; and~~

a catch-up component that facilitates real-time processing of an account, wherein processing of the account is brought up-to-date to a specified date that is temporally equal to or ahead of bulk processing of the plurality of eligible accounts.

16. (Previously Presented) The system of claim 15, wherein the tasks are processed sequentially against the plurality of eligible accounts according to task dependencies.

17. (Previously Presented) The system of claim 15, wherein the bulk component repeatedly processes the errored account up to a predetermined number of attempts before the errored account is removed by the removal component for error processing.

18. (Canceled)

19. (Previously Presented) The system of claim 15, wherein the system performs periodic processing of subscriber accounts.

20. (Canceled)

21. (Previously Presented) The system of claim 15, wherein the bulk component and the error component process accounts concurrently.

22. (Currently Amended) One or more computer-readable storage media having computer-executable instructions tangibly embodied thereon that, when executed by a computing device having a processor, perform a method of processing tasks, the method comprising:

fetching a plurality of sets of eligible accounts for which a different respective task is to be processed in bulk for each of the sets of eligible accounts, each task including a unique set of criteria based upon which the eligible accounts are selected for inclusion in a respective set;

periodically processing in bulk each of the plurality of sets of ~~one or more~~ eligible accounts with a set of the respective tasks to keep the one or more eligible accounts synchronized;

removing one of the one or more eligible accounts from the plurality of sets of eligible accounts as an errored account if the one eligible account exhibits an error;

identifying the one eligible account as ineligible for fetching for future bulk processing;

error processing the errored account with the set of tasks to resolve the error.

23. (Currently Amended) The media of claim 22, wherein the method further comprising ~~comprises~~ merging the ~~errored~~ errored account that has been resolved with the one or more eligible accounts for further processing in bulk.

24. (Currently Amended) The media of claim 22, wherein the processing in bulk further comprises,

processing task dependency data related to the set of tasks;

maintaining system state data of the system;

generating an account level exception list of exceptions generated during the processing in bulk;

monitoring and reporting system processes related to at least bulk processing, removing an errored account; and

providing error handling related to an error generated by the errored account.

25. (Currently Amended) The media of claim 22, wherein the method further comprising~~comprises~~ reprocessing the ~~errored~~ account in bulk before removing the account for error processing.

26. (Currently Amended) The media of claim 22, wherein the method further comprising~~comprises~~ reprocessing the errored account before requiring manual intervention to initiate further reprocessing.

27. (Currently Amended) The media of claim 22, wherein the method further comprising~~comprises~~ predicting when subscription cycle end processing needs to be performed next.

28. (Currently Amended) A computer-readable storage medium having computer-executable instructions tangibly embodied thereon that, when executed by a computer having a processor, perform ~~for performing~~ a method of periodic processing of subscription accounts, the method comprising:

fetching a plurality of eligible accounts for which a plurality of tasks are to be processed in bulk, each task including a unique set of criteria based upon which the eligible accounts are selected for inclusion in a respective set, and at least one of the respective sets including an eligible account that is not included in at least one other respective set;

processing in bulk ~~one or more~~ the sets of eligible accounts with their respective task ~~a set of tasks~~ periodically to keep the ~~one or more~~ plurality of eligible accounts synchronized;

removing one of the plurality of ~~one or more~~ eligible accounts from bulk processing as an errored account if the one eligible account exhibits an error;

identifying the errored account as ineligible for fetching for future bulk processing;

error processing the errored account with the set of tasks to resolve the error in the errored account, now a resolved ~~errored~~ account;

identifying the resolved ~~errored~~ account as eligible for fetching for future bulk processing; and

merging the processing of the resolved ~~errored~~ account with the bulk processing when error processing and bulk processing are temporally aligned.

29. (Currently Amended) The ~~method~~media of claim 28, wherein the method further ~~comprising~~comprises determining according to a predetermined threshold level when a second account that is dependent on a first account is considered inconsistent.

30. (Currently Amended) The ~~method~~media of claim 29, wherein the method further ~~comprising~~comprises employing a classifier to automatically determine the threshold level that facilitates determining when a dependent account is inconsistent.

31. (Currently Amended) A system that facilitates the periodic processing of accounts, comprising a computing device having a processor and a memory that includes computer executable instructions embodied thereon that, when executed, provide:

means for periodically processing in bulk one or more eligible accounts with a set of tasks, each task in the set of tasks including a unique set of criteria

by which a respective set of the one or more eligible accounts are selected for bulk processing the task;

means for removing a first account from the one or more eligible accounts as an errored account if the first account exhibits an error, and identifying the errored account as ineligible for future fetching for bulk processing;

means for error processing the errored account with the set of tasks to resolve the error in the errored account, now a resolved errored account and identifying the resolved errored account as eligible for fetching for future bulk processing; and

means for merging the processing of the resolved errored account with the bulk processing when error processing and bulk processing are temporally aligned.

32. (Currently Amended) A system that facilitates the periodic processing of accounts, comprising a computing device having a processor and a memory that includes computer executable instructions embodied thereon that, when executed provide:

a first system that processes a set of tasks against a plurality of accounts;

a second system that periodically processes the same set of tasks against the plurality of accounts;

wherein the first system signals the second system to bypass processing of a first account in the plurality of accounts if the first system determines an error in the first account, and

wherein the first system processes the first account with up to a predetermined threshold number of attempts to resolve the error in the first account prior to signaling the second system.

33. (Previously Presented) The system of claim 32, wherein the second system signals the first system to bypass processing of a second account of the plurality of accounts if the second system determines an error in the second account.

34. (Currently Amended) One or more computer readable storage media having computer-executable instructions tangibly embodied thereon that, when executed by a computing device having a processor, provide a system that facilitates task processing, the system comprising:

a bulk component that periodically, concurrently bulk processes a plurality of eligible accounts with a set of dependent tasks;

a removal component that removes an account from the eligible accounts as an errored account if an error is associated therewith and identifies the errored account as ineligible for fetching for future bulk processing;

an error component that processes the errored account to resolve the error associated therewith producing a resolved errored account, identifies the resolved errored account as eligible for fetching for future bulk processing, and merges the processing of the resolved errored account with bulk processing of the eligible accounts by the bulk component when the processing of the resolved errored account is temporally aligned with the bulk processing; and

a catch-up component that facilitates real-time processing of an account,

wherein the bulk component processes the errored account with up to a predetermined threshold number of attempts to resolve the errored account.